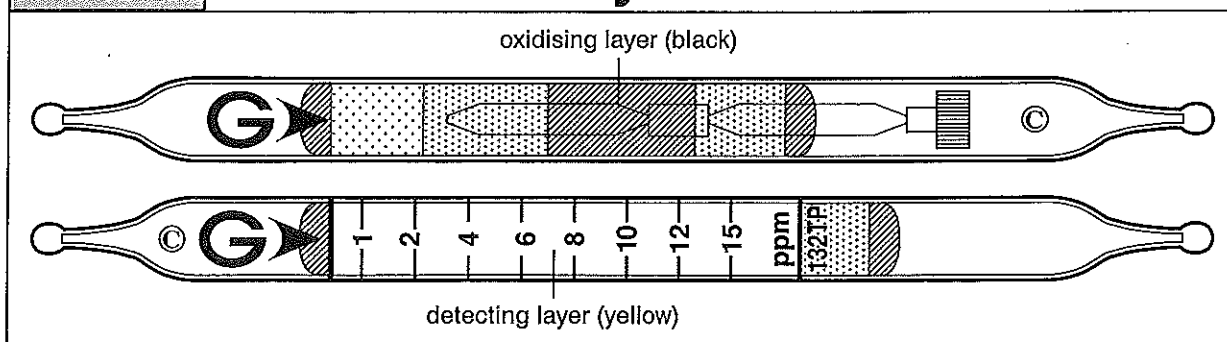


Detector tube

Trichloroethylene $\text{Cl}_2\text{C}:\text{CHCl}$ No.132TP

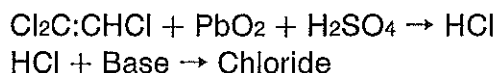


Performance

Measuring range	1 to 15 ppm	15 to 33 ppm
Sampling Rate	100 ml/min (1000 ml)	50 ml/min (500 ml)
Correction factor	1	2.2
Sampling time	10 min	10 min

Detecting limit : 0.2 ppm (1000ml)
 Colour change : Yellow → Reddish purple
 Corrections for temperature : Necessary for 0 to 40°C
 Corrections for humidity : Unnecessary for R.H. 0 to 90 %
 Relative standard deviation : 5 % (for 1 to 15 ppm)
 Shelf life : 2 years

Reaction principle



Possible coexisting substances and their interferences (NOTE : Page 2-5).

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen chloride	≧ 1/10	+	Reddish purple
Chlorine	≧ 1/40	-	White
Vinyl chloride	≧ 1/10	+	Reddish purple
1,2-Dichloroethylene	≧ 1/10	+	Reddish purple
Tetrachloroethylene	≧ 1/20	+	Reddish purple
1,1,1-Trichloroethane	≧ 400 ppm	No	No
Toluene, Xylene	≧ 10 ppm	-	No

Calibration gas generation

Diffusion tube method

TLV-TWA : 10 ppm

TLV-STEL : 25 ppm